IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
Gary K. Michelson, M.D.)
Serial No.: (Div. of 09/792,679)) Group Art Unit: (3738)
Filed: September 29, 2003) Examiner: (D. Willse)
For: INTERBODY SPINAL FUSION IMPLANT HAVING A REDUCED WIDTH AND AN ANATOMICALLY CONFORMED TRAILING END))))

Mail Stop PATENT APPLICATION Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)

Pursuant to 37 C.F.R. §§ 1.56 and 1.97(b), applicant brings to the attention of the Examiner the documents listed on the attached PTO 1449. This Information Disclosure Statement is being filed concurrently with the above-referenced application.

Copies of the listed documents were previously submitted and/or cited in a prior application, Serial No. 09/792,679, filed February 22, 2001; or Serial No. 09/263,266, filed March 5, 1999, now U.s. Patent No. 6,241,770; upon which applicant relies for the benefits provided in 35 U.S.C. § 120. Applicant respectfully requests that the Examiner consider the listed documents and indicate that they were considered by making appropriate notations on the attached form.

Please note that ES 283078 is related to U.S. Patent No. 4,877,020; JP 57-29348 is related to U.S. Patent No. 4,349,921; and JP 61-122859 is related to U.S. Patent No. 4,759,766.

This submission does not represent that a search has been made or that no better art exists and does not constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in the application and applicant determines that the cited documents do not constitute "prior art" under United States law, applicant reserves the right to present to the office the relevant facts and law regarding the appropriate status of such documents.

Applicant further reserves the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

If there is any fee due in connection with the filing of this Statement, please charge the fee to our Deposit Account No. 50-1066.

Respectfully submitted,

MARTIN & FERRARO, LLP

Date: September 29, 2003

Thomas H. Martin Registration No. 37,129

1557 Lake O'Pines Street, NE Hartville, Ohio 44632 Telephone: 330-877-0700

Facsimile: 330-877-2030

OMB 0651-0031

Express Mail No.: EV 321 290 363 US

Substitute for FORM PTO-1449	Attorney Docket Number 101.0059-02000	Customer No. 22882		
INFORMATION DISCLOSURE CITATION IN AN APPLICATION	Applicant Gary K. Michelson, M.D.	Application Number (Div. of 09/792,679)		
(Use several sheets if necessary) Sheet 1 of 4	Filing Date September 29, 2003	Group Art Unit (3738)	Examiner (D. Willse)	

U.S. PATENT DOCUMENTS

U.S. PATENT DOCUMENTS EXAMINER DOCUMENT NUMBER DATE NAME CLASS SUBCLASS APPROPRI								
INITIAL	2,677,369	5/1954	Knowles					
		2/1969	Lumb					
	3,426,364 3,848,601	11/1974	Ma et al.					
	3,867,728	2/1975	Stubstad et al.					
	3,875,595	4/1975	Froning					
	3,905,047	9/1975	Long					
	D245,259	8/1977	Shen					
	4,070,514	1/1978	Eatherly					
	4,309,777	1/1982	Patil					
	4,349,921	9/1982	Kuntz					
	4,501,269	2/1985	Bagby					
	Re31,865	4/1985	Roux					
	4,599,086	7/1986	Doty					
	4,636,217	1/1987	Ogilvie et al.					
	4,714,469	12/1987	Kenna					
	4,743,256	5/1988	Brantigan					
	4,759,766	7/1988	Buettner-Janz et al.					
	4,759,769	7/1988	Hedman et al.					
	4,820,305	4/1989	Harms et al.					
	4,834,757	5/1989	Brantigan	_				
	4,863,476	9/19898	Sheppard					
	4,863,477	9/1989	Monson					
	4,877,020	10/1989	Vich					
	4,878,915	11/1989	Brantigan					
	4,904,261	2/1990	Dove et al.					
	4,911,718	3/1990	Lee et al.					
	4,936,848	6/1990	Bagby					
	4,955,908	9/1990	Frey et al.			 		
	4,961,740	10/1990	Ray et al.					

	5,015,247	5/1991	Michelson		
	5,015,255	5/1991	Kuslich		<u> </u>
	5,026,373	6/1991	Ray et al.		
	5,055,104	10/1991	Ray		
	5,059,193	10/1991	Kuslich		
	5,062,845	11/1991	Kuslich et al.		
	5,071,437	12/1991	Steffee		
	5,122,130	6/1992	Keller		
	5,123,926	6/1992	Pisharodi		
_	5,171,278	12/1992	Pisharodi		
	5,192,327	3/1993	Brantigan		
	5,246,458	9/1993	Graham		
	5,258,031	11/1993	Salib et al.		
	5,306,309	4/1994	Wagner et al.		
	5,370,697	12/1994	Baumgartner		
	5,397,364	3/1995	Kozak et al.		
	5,425,772	6/1995	Brantigan		
	5,443,514	8/1995	Steffee		
	5,458,638	10/1995	Kuslich et al.		
	5,489,307	2/1996	Kuslich et al.		
	5,489,308	2/1996	Kuslich et al.		
	5,571,109	11/1996	Bertagnoli		
	5,609,636	3/1997	Kohrs et al.		
_	5,645,598	7/1997	Brosnahan, III		
	5,658,337	8/1997	Kohrs et al.		
	5,683,463	11/1997	Godefroy et al.		
_	5,669,909	9/1997	Zdeblick et al.		
	5,766,252	6/1998	Henry et al.		
	5,782,919	7/1998	Zdeblick et al.		
	D397,439	8/1998	Koros et al.		
	5,800,547	9/1998	Schafer et al		
	5,800,550	9/1998	Sertich		
	5,814,084	9/1998	Grivas et al.		
	5,861,041	1/1999	Teinboon		
	6,033,438	3/2000	Bianchi et al.		
	6,034,295	3/2000	Rehberg et al.		

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION (YES/NO)		
_		2/1982	Japan			U.S. Equivalent 4,349,921		
	57-29348	4/1983	Europe			Yes		
	0 077 159	5/1985	Spain			U.S. Equivalent 4,877,020		
	283078	4/1986	Europe			Abstract Only		
	0 179 695	6/1986	Germany			Abstract Only		
	35 05 567	 				U.S. Equivalent 4,759,766		
	61-122859	6/1986	Japan			Partial		
	62-155846	7/1987	Japan			Yes		
	0 260 044 A1	3/1988	Europe			Yes		
	0 307 241 A2	3/1989	Europe			Yes		
	92/14423	9/1992	WIPO			N/A		
	93/01771	2/1993	WIPO	<u> </u>		Yes		
	0 577 179 A1	1/1994	Europe			Yes		
	0 599 419 A2	6/1994	Europe	 		Abstract Only		
	2 703 580	10/1994	France		<u> </u>	Abstract Only		
	0 627 204	12/1994	Europe	-		Yes		
	95/08964	4/1995	WIPO	 		Abstract Only		
	96/22747	8/1996	WIPO	 				
	WO 97/23174	7/1997	WIPO			Abstract Only		
	0 637 440	10/1997	Europe			Abstract Only		
	0 834 295	4/1998	Europe			Abstract Only		
	OTHER	DOCUMENT	S (Including)	Author, Titl	e, Date, Pertine	ent Pages, Etc.)		
	Muschler et al.; The Bio	logy of Spina	al Fusion; Spina	al Fusion, S	cience and Tech	nnique, Colter and Colter, pp. 9-13		
	593 (1996)					bar Spine, Vol. 1, Second Edition, pp. 588-		
	Crock, H.V.; Practice of	Spinal Surg	ery; Springer-V	erlag/Wein	New York (1983	3)		
	Legioty Vol 8 n 407	(March 8-10.	1983)			h Annual Meeting; Orthopedic Research		
	(November 1985)					ical Bone; J. Neurosurg, Vol. 63, pp.750-753		
	Society of Mechanical I	Engineers, "/	advances in bio	engineenin	g , D03t011, 112 t (ly Fixation; 1987 Symposium, American December 13-18, 1987)		
	Crawley et al.; A Modifi	ed Cloward's	s Technique for	r Arthrodesi 988)	s of the Normal I	Metacarpophalangeal Joint in the Horse;		
_	Bagby, G.W.; Arthrode	sis by the Di	straction-Comp	ression Me		ninless Steel Implant; Orthopedics, Vol. II, No		
	Inn Orthon Assoc., V	Itoman, M. et al.; Banked Bone Grafting for Bone Defect Repair-Clinical Evaluation of Bone Union and Graft Incorporation;						
	Schmitz et al.; Perform pp. 23-24 (1991)	ance of Allo	plastic Material	s and Desig	n of an Artificial	Disc; The Artificial Disc, Brock, Mayer, Wei		

3

0.0

08/26/2002

Fusion of the Lumbar Spine; Anterior Monosegmental Fusion L5-S1, Atlas of Spinal Operations; Thieme, pp. 270-274 (1993) Lumbar Spine Surgery, Techniques and Complications; History of Lumbar Spine Surgery, pp. 11-15, 27, 30, 35-45, 265-268, (1994)European Opposition Document, November 27, 1995 – Opposing EP Patent No. 425 542 B1 Anterior Spinal Fusion Implant Glaser, P.A. et al.; Biomechanical Analysis of Multilevel Fixation Methods in the Lumbar Spine; Spine, Vol. 22, No. 2, pp. 171-182 (1997) Ray, C.D.; Spinal Interbody Fusions: A Review Featuring New Generation Techniques; Neurosurgery Quarterly, 7(2), pp. 135-156 (1997) DATE CONSIDERED **EXAMINER**

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.